State of Illinois

Dept. & Div. ILL EPA - MPCP Inspector _____ Date Inspected 10/21/86
(Signature)

Mine Name FIDELITY # 11 Mine Company FREEMAN UNITED COAL COMPANY

IEPA Permit No. IL0000302 M & M Permit No. _____ County PERRY

General Location APPROX 5 MILES WEST OF DUQUOIN

Arrival Time 10 AM Weather Conditions COOL, CLOUDY, WINDY

RECLAMATION TYPE (Check Appropriate Type)
Mine Includes Prime Land ___Yes/___No
Steep Slope Rule Applies ___Yes/___No
Coal Preparation ___Yes/___No
Not Applicable ___

Reason for Visit: ROUTINE

Persons Contacted:
BILL SMITH - PERMIT MGR
GLEN HAMILTON - REC. SUPER.
DAN WILD - GEN SUPT

PARAMETER CHECKLIST

1. Availability of: A___permits B___Plans

2. Imminent Danger to Public Health and Safety___

3. Significant Imminent Environmental Harm___

☐ TEMPORARY REPORT
☒ FINAL REPORT

4. Signs and Markers: A. mine entrance B. perimeter C. blasting D. topsoil E. perimeter observance 1. 100' zone 2. 300' zone F. permit area correlation G. not investigated H. not applicable

5. Disposal Spoil and Waste Material Outside Pit or Direct Cast Site: (A) gob disposal 1. site capacity 2. covering 3. vegetation B. within permit area C. site approved D. slope of site E. steep slope rules F. valley fill or head of hollow fills: 1. permit area 2. location near ridge top 3. fill design 4. fill construction 5. steep slope rules 6. under drains 7. lateral drains 8. controlled placement 9. engineer inspection G. not investigated H. not applicable

6. Soil Handling: A. removal before other disturbance B. storage C. protection D. thickness E. root medium F. other overburden G. toxic material handling H. root medium satisfactory for top soil replacement (slope, thickness, texture) I. topsoil replaced J. grading current K. rills and gullies L. erosion control systems M. timely revegetation and mulching (N) not investigated O. not applicable

7. Prime Land: A. prime land determination B. soil horizon removal prior to other disturbance C. thickness removed D. approved horizon storage E. protection of stockpiles F. horizon replacement and thickness G. protection of replaced horizons H. grade (I) not investigated J. not applicable

8. General Water Quality and Hydrology: (A) waterways 1. unaffected area drainage diverted 2. affected area drainage ditches and berms 3. system maintenance B. grading C. vegetation D. toxic material E. horizontal boreholes (F) sediment ponds: 1. size 2. structure 3. spillway 4. clean out 5. over 20' high or over 20 acre feet storage (___yes/___no) 6. seepage 7. structural weakness (8). discharge structure 9. chemical treatment system 9. (a). permitted ___yes/___no (G) discharge water quality H. buffer zone (100') observance I. zone markers (J) NPDES permits required ✓yes/___no K. water quality L. not investigated M. not applicable

(12/13/84)

Mine Name FIDELITY #11

9. Stream Channel or Other Water Diversion: A. temporary or permanent B. size adequacy C. stability D. gradient E. grade stability F. suspended solids G. sediment control H. channel design I. erosion control structures J. fish and wildlife protection K. vegetation L. removal of temporary structures M. structure removal procedures (N). not investigated O. not applicable

10. Road Hydrology: A. culverts (B) ditches C. location choice D. grade E. stream closeness F. ditch relief drains G. outslope drains H. construction material ___ toxic/ ___ non-toxic I. maintenance J. railroad spur hydrology K. vegetation L. not investigated M. not applicable

11. Impoundment Structures: A. M.H.S.A. construction observance B. coal waste in structure C. freeboard D. stability E. seepage F. engineer inspection G. dam marker H. maintenance I. ditch and spillways J. changes in geometry of structure (K) not investigated L. not applicable

12. Steep Slope Procedure: A. spoil on outslope B. debris C. highwall removal D. disturbance above highwall E. excess spoil F. instability of spoil and woody material G. not investigated (H) not applicable

13. Preparation Facility (includes crushing and screening): A. water circuit 1. open system 2. closed system 3. no water circuit (B) slurry impoundment 1. berm stability a.) seepage b.) vegetative cover c.) freeboard 2. acid producing potential C. not investigated D. not applicable

14. Domestic Wastewater Treatment Facilities: A. type of system 1. activated sludge package plant 2. lagoon - sandfilters 3. septic tank w/sand filters 4. other B. sand filter maintenance 1. weeds 2. raking 3. sand replacement C. chlorination D. certified operator (E). not investigated F. not applicable

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LEGEND: O = parameter inspected: Ø = comment or question on the parameter

NOTE: Items circled were considered during this investigation. If nothing under a major item was investigated, circle either "not investigated" or "not applicable". Violation means violation or apparent violation.

___ NO VIOLATIONS FOUND ✓ SEE ATTACHMENT

Indicated Parameter — Comments or Action Taken

No.	Check Column: Violation	Check Column: Non-Violation
GEN Comm		✓
8		
5A		✓
8A		✓
8F		✓
8J		✓
13B		✓

ATTACHMENT

Freeman United Coal Company
Fidelity #11
October 21, 1986

GENERAL COMMENTS: During the investigation I spoke with Bill Smith, Permit Manager, in regard to two review letters sent by this Agency recently. The two review letters were in reference to two insignificant mining changes that have occured on site. I explained to Mr. Smith that without the information requested in the review letters and the subsequent approvals that modifications cannot be made to the site. Mr. Smith said that he would respond as soon as possible.

5.A: I observed the current refuse disposal site and it appears that disposal will be occuring in this area for quite some time yet. The current refuse disposal consists of filling in an old final cut pit and according to Glen Hamilton the next area where refuse disposal will occur is an old incline.

8.A: I observed the site's waterways and drainage patterns and it appears that all site surface runoff water is tributary to a sedimentation pond. The receiving ditch for outfall 006, located on the southwest section of the site, was aerially seeded some weeks ago and a thick vegetative growth was highly visible. The vegetative growth should satisfactorily stabilize the soil above the rip-rapped channel.

8.F: I observed the site's sedimentation ponds, both of which were discharging during this visit. The effluent waters appeared extremely clear, therefore, no samples were obtained.

8.J: This site is permitted under NPDES Permit IL0000302. NOTE: All DMRs have been submitted in accordance with permit conditions.

13.B: The moat, around the old gob pile where part of the current slurry lines are located, has mostly filled up with coal fines and really doesn't allow much room for water storage. The pumping system which pumps accumulated moat water into the slurry pond, is manually activated. This Agency fears that if an intense rainfall event occurs and the manual switch is not activated soon enough, then the accumulated water could again breach the berm and an unauthorized discharge occur. This Agency will request that either the moat get cleaned or that it can be shown that enough capacity exists to withstand a short duration of intense rainstorm event without overtopping the berm.

Gary L. Minton
Environmental Protection Specialist

GLM:bt
10/28/86

cc: MPCP/FOS/Marion
IDMM